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**Amendments to the Claims**

This listing of claims will replace all prior versions and listings of claims in the application:

1-24. (Canceled)

25. (Original) A method for treating a reperfusion injury in a subject which comprises administering to the subject a Factor IXa compound in a sufficient amount over a sufficient period of time to inhibit coagulation so as to treat the reperfusion injury in the subject.

26-32. (Canceled)

33. (Previously Presented) The method of claim 25, wherein the Factor IXa compound comprises recombinant inactivated Factor IXa.

34. (Currently Amended) The method of claim ~~33~~ 25, wherein the Factor IXa compound is a peptide, a peptidomimetic, a nucleic acid, a small molecule, a mutated peptide or nucleic acid, a mutein, an antibody or fragment thereof.

35. (Currently Amended) The method of claim ~~33~~ 25, wherein the Factor IXa compound is a synthetic molecule.